

IN THE CLAIMS:

Please amend the claims as follows. This listing of the claims will replace all prior versions, and listings, of claims in the application:

Claims 1-17. (canceled)

18. (Currently Amended) A device for determining the conductance of laundry in a laundry dryer, which comprises:
at least two electrodes, ~~wherein the device comprises; and~~
means for heat reduction from at least a part of at least ~~of~~ one of the electrodes.

19. (Previously Presented) The device as claimed in Claim 18, wherein the means for heat reduction are arranged on the rear of the electrodes.

20. (Previously Presented) The device as claimed in Claim 18, wherein the means for heat reduction includes at least one of means for improving radiation of heat from the electrodes and cooling surfaces, which are connected to the electrodes.

21. (Previously Presented) The device as claimed in Claim 18, wherein the means for heat reduction comprises means for air supply and the electrodes are arranged on a component in which openings are formed, cool air being supplied and removed from the electrodes, whereby the cool air is supplied through a middle opening and the cool air is removed through at least one side opening.

22. (Previously Presented) The device as claimed in Claim 21, wherein the means for air supply are formed by defined faulty air openings in the vicinity of the electrodes, through which ambient air can be conveyed to the electrodes.

23. (Previously Presented) The device as claimed in Claim 21, wherein the means for air supply comprises at least one of a fan and a source of compressed air.

24. (Previously Presented) The device as claimed in Claim 18, wherein the electrodes are built fixed in the laundry dryer.

25-29. (Canceled).

30. (Previously Presented) The device as claimed in Claim 21, wherein the air supply means comprises at least one of a fan and a source of compressed air.

31-47. (Canceled).

48. (New) A laundry dryer, comprising:
an electrode of a moisture sensor; and
a cooler that cools the electrode.

49. (New) The laundry dryer of claim 48, wherein the cooler comprises a pipe inside the electrode.

50. (New) The laundry dryer of claim 49, wherein the cooler further comprises an opening defined by the electrode.

51. (New) The laundry dryer of claim 50, wherein the cooler cools the electrode by permitting air flow through the pipe and the opening.

52. (New) The laundry dryer of claim 49, wherein the cooler comprises a component having a plurality of openings that permit air flow between the plurality of openings.

53. (New) The laundry dryer of claim 48, wherein the cooler permits air to flow from outside of a drum of the laundry dryer into the interior of the electrode to cool the electrode.

54. (New) The laundry dryer of claim 48 further comprising:
a first fan that circulates a first stream of air across a heater, through a drum, and past one side of a condenser to condense moisture from the first stream of air;
a second fan that supplies a second stream of air to cross the other side of the condenser to remove heat from the first stream of air as it crosses the condenser; and
a conduit that provides a partial current of the second stream of air to the cooler.